

Title (en)

UV RESISTANT SMMA COPOLYMERS WITH LOW HAZE AND HIGH CLARITY

Title (de)

UV-RESISTENTE SMMA-COPOLYMERE MIT GERINGER TRÜBUNG UND HOHER KLARHEIT

Title (fr)

COPOLYMÈRES DE S/MMA RÉSISTANTS AUX UV PRÉSENTANT UN FAIBLE VOILE ET UNE CLARTÉ ÉLEVÉE

Publication

EP 4251696 A1 20231004 (EN)

Application

EP 21819131 A 20211130

Priority

- EP 20210539 A 20201130
- EP 2021083521 W 20211130

Abstract (en)

[origin: WO2022112590A1] Thermoplastic molding compositions comprising (a) 97 to 99.85 wt.-% S/MMA-copolymer (MMA: 30 to 60 wt.-%) (a); (b) 0.1 to 1.5 wt.-% HALS combination (b) consisting of: (b1) HMW-HALS (Mn) \geq 1800 g/mol, and (b2) LMW-HALS (Mn) \leq 800 g/mol; (c) 0.05 to 1.0 wt.-% organic UV absorber (c); (d) optionally up to 0.5 wt.-% additive; wherein the ratio (b1):(b2) is 12:1 to 1:2; and the ratio (b):(c) is 5:1 to 1:5 are used for outdoor applications in the construction and automotive sector.

IPC 8 full level

C08L 25/14 (2006.01); **C08F 212/08** (2006.01); **C08F 220/14** (2006.01); **C08K 5/3435** (2006.01); **C08K 5/3475** (2006.01); **C08K 5/3492** (2006.01)

CPC (source: EP KR US)

C08F 212/08 (2013.01 - KR); **C08F 220/14** (2013.01 - KR US); **C08K 5/3435** (2013.01 - EP KR US); **C08K 5/3475** (2013.01 - EP KR US); **C08K 5/3492** (2013.01 - US); **C08K 5/34926** (2013.01 - EP KR); **C08L 25/14** (2013.01 - KR US); **C08L 79/00** (2013.01 - KR); **C08F 212/08** (2013.01 - EP); **C08K 2201/014** (2013.01 - EP KR US); **C08L 2201/08** (2013.01 - EP KR US); **C08L 2201/10** (2013.01 - US); **C08L 2203/16** (2013.01 - US); **C08L 2203/20** (2013.01 - US); **C08L 2203/30** (2013.01 - US)

Citation (search report)

See references of WO 2022112590A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

Designated validation state (EPC)

KH MA MD TN

DOCDB simple family (publication)

WO 2022112590 A1 20220602; CN 116710517 A 20230905; EP 4251696 A1 20231004; KR 20230112661 A 20230727; US 2024010825 A1 20240111

DOCDB simple family (application)

EP 2021083521 W 20211130; CN 202180092009 A 20211130; EP 21819131 A 20211130; KR 20237020138 A 20211130; US 202118254632 A 20211130